Supplement Assistant

Helping Find the Best Supplement for Your Personal Progress Needs

Prepared for Dana Wortman
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Dear Mrs. Wortman and Gymnasium Athletes,

In life eating is a necessity to all humans, regardless of what size or shape they are in. And eating the correct amount to meet a nutritional goal is not an easy thing for the general public, without a coach or nutritionist planning out one's meals. One of the ways to correct the short comings of nutrition is to incorporate supplements into one's diet, filling in those missed nutrients. For those that want to alter one's physique it is even more important to consume all the necessary nutrients daily to ensure optimal results in performance and physical change.

This proposal will be offering a friend solution to those that have either are against the hassle of figuring out what supplements are the best, with the right flavors and the top flavor for each of these supplements. Allowing the user to have the ability to look at a brand with the number of flavors, what is the top-rated flavor, how much each serving costs and more. This will allow those whom are looking into supplements to get a good idea of what's out there for sports nutrition.

Sincerely,

Greg Phares

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Executive Summary

Problem
Individuals who can't find the right supplements for themselves, this will help ease the buying process by being better informed. Also, individuals whom can't take supplements on a regular basis due to either flavor or price, or inconsistent with taking them.

Purpose
In life eating is a necessity to all humans, regardless of what size or shape they are in. And eating the correct amount in meeting a nutritional goal is not an easy thing for the general public, without a coach or a nutritionist planning out one's meals. One of the ways to correct this short comings of nutrition is to incorporate supplements into one's diet, filling in those missed nutrients. For those that want to alter one's physique it is even more important to consume all the necessary nutrients daily to ensure optimal results in performance and physical change. To allow anyone who desires to be a healthier individual, achieve this by ensuring that optimum nutrition is achieved. Making the search for supplements easy with a click of a few buttons.

Implementation
This will be implemented by starting off with a collection of data from the largest single supplement entity BodyBuilding.com. From the data set, utilizing Django it will allow the user to see in graphical and list form depending on the query of supplement category, description, product name and in correlation either average flavor rating, brand name, number of flavors, number of user submitted reviews, overall rating, price, price per serving. This will allow the user to look quickly sort with the click of a few buttons find the best supplements that will aid them in their person nutrition goals. Will be able to sort products to their needs. And will give a small general blurb about each product category. Can create a want list of what the user wants to buy. The list will tell the user how much they will be spending in total price and then the price per serving. Allowing them to plan when they will need to refill these supplements if taken per the users input amount per day.

Limitations
Due to the constriction on time and personal web devolvement experience, this project will have to sacrifice a bit of visual appeal to ensure that functionality is optimal.

Features
The user can sort and view supplements on what they are used for and can read a small blurb about what the item category does the human body. There will be the ability to create a list of supplements the user wants to buy and create a schedule for each supplement depending on how

often the user desires to consume the supplement. This can be emailed to the user so they can store this. This will sort out for the user how much they are spending in total and how much each supplement costs per serving. This will allow the projection of how often they will need to restock their supplements.

Technical Requirements

Model

This will have classes for storing the price per serving, allowing to be used in restocking and projection. Then there will be class to store the products name, allowing for sorting. A class for price per unit, allow the calculation of how many serving come per unit, which will also allow for projection. There will be a desired servings class, allowing to calc with servings per unit how long the product will last till it needs to be restocked. There will be a class on category to sort out each product. There will be a class for item blurbs, that will tell something about the product to the user. And then there will be a class for a calendar to allow for tracking the supplements per day. Finally, there will an email class that will allow for the user to send all this information that they gathered to a desired email.

Views

The user view will be a use, sort and apply type of view. The only editing they will be able to do is to edit a text field that will store and email and serving expect to consume per day. The admin will be able to look at all the items and edit them appropriately if one no longer becomes available due to being discontinued. Also, admit will be able to add items to the database accordingly.

Data

The source that will be used for the data set is provided by Kaggle. The URL is https://www.kaggle.com/afsaja/workout-supplements-and-nutrition-products. The data will be taken from this dataset are the names, categories, prices, prices per serving, products, descriptions, number of flavors and top flavor if there are flavors. Also, it will provide the URL to the products themselves. I will be using it to create tables to allow the user to sort, pick and choose to pre-make their list and give them an educated buying experience.

Visualization

The visuals will be a picture of each product that will be shown from the scraping the link for the image of the product.

Framework

I will be using the Django framework for this, because the file structure seems to make the most sense to me out of the 3. For the demos, I made the modification of adding text to the page as well as an interactive text field that is store to the database with the rest of the entry.